AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions and listings of claims in the application:

1-23. (Cancelled).

24. (Original) Copolymer of ethylene and a further 1-olefin which contains residues of a nitrogen-containing iron complex wherein the iron concentration is from 0.01 to 10 parts by weight per million parts of copolymer, and in which at least 50% of the short chain branching is located in the 50% by weight of the copolymer having the highest molecular weight.

25. (Original) Copolymer of ethylene and a further 1-olefin wherein the degree of short chain branching per thousand carbons (SCB) is from 2.0 to 10, and the relationship of modulus in MPa (M) to SCB (B) is defined by the equation $M = k - 62.5B$ where k is 820 or greater.

26. (Original) Copolymer according to claim 25 wherein the SCB is between 2 and 8.

27. (Currently amended) Copolymer according to claim 25 wherein the SCB is greater than 2.5, preferably greater than 3.0.

28. (Currently amended) Copolymer according to one of claims claim 25 [[to 27]] wherein k is 830 or greater, preferably 840 or greater, more preferably 850 or greater.

29-30. (Cancelled).

31.   (New) Copolymer according to claim 27 wherein SCB is greater than 3.0.

32.   (New) Copolymer according to claim 28 wherein k is 840 or greater.

33.   (New) Copolymer according to claim 32 wherein k is 850 or greater.

34.   (New) Copolymer of ethylene and a further 1-olefin wherein the degree of short chain branchng per thousand carbons (SCB) is from 2.0 to 10, and the relationship of modulus in MPa (M) to SCB (B) is defined by the equation $M = k - 65.5B$ where k is 850 or greater.

35.   (New) Copolymer of ethylene and a further 1-olefin wherein the degree of short chain branchng per thousand carbons (SCB) is from 2.0 to 10, and the relationship of modulus in MPa (M) to SCB (B) is defined by the equation $M = k - 67.5B$ where k is 870 or greater.

36.   (New) Copolymer of ethylene and a further 1-olefin wherein the degree of short chain branchng per thousand carbons (SCB) is from 2.0 to 10, and the relationship of modulus in MPa (M) to SCB (B) is defined by the equation $M = k - 70.5B$ where k is 900 or greater.

37.   (New) Copolymer of ethylene and a further 1-olefin wherein the degree of short chain branchng per thousand carbons (SCB) is from 2.0 to 10, and the relationship of modulus in MPa (M) to SCB (B) is defined by the equation $M = k - 60B$ where k is 815 or greater.

38.   (New) Copolymer of ethylene and a further 1-olefin wherein the degree of short chain branchng per thousand carbons (SCB) is from 2.0 to 10, and the relationship of modulus in MPa (M) to SCB (B) is defined by the equation $M = k - 57.5B$ where k is 810 or greater.

39.   (New) Copolymer of ethylene and a further 1-olefin wherein the degree of short chain branchng per thousand carbons (SCB) is from 2.0 to 10, and the relationship of modulus in MPa (M) to SCB (B) is defined by the equation $M = k - 55B$ where k is 805 or greater.